

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-060550

(43)Date of publication of application : 03.03.1998

(51)Int.Cl.

C22B 1/16

(21)Application number : 08-222421

(71)Applicant : SUMITOMO METAL IND LTD

(22)Date of filing : 23.08.1996

(72)Inventor : MORISHITA SHIGERU

(54) METHOD FOR GRANULATING SINTERING RAW MATERIAL AND CLASSIFYING
DEVICE USED THERETO

(57)Abstract:



PROBLEM TO BE SOLVED: To provide a granulating method of sintering raw material and a classifying device used thereto which can suitably classify the granulated material discharged from a drum mixer and can efficiently granulate the sintering raw material by again granulating the classified fine grain.

SOLUTION: The granulating method of the sintering raw material classifies the granulated material discharged from a second drum mixer 4 with the classified device 5. Then, the coarse grain is conveyed to a sintering machine 7, and the fine grain is granulated with a third drum mixer 9 after passing through a kneading treating part or a mixture stirring treating part 8 and circulated into the discharging hole end part of a second drum mixer 4. Further, the classifying device 5 used to this method, forms a piled heap having such inclination that the coarse grains roll down on the outer surface piling the fine grains, with the granulated material dropped from the discharging hole of a granulating machine at the upstream side, and takes out the fine grains in the inner part of the piling heap and the coarse grains rolled down from the piled heap, respectively.